

WHAT IS CLAIMED IS:

1. A rotor of a spinning reel having a reel unit and a spool, said rotor being rotatively mounted to the reel unit for guiding and winding fishing line around the spool, said rotor comprising:

a rotor unit having

a cylindrical portion that is rotatively mounted to the reel unit, and
a pair of rotor arms that each extend forward from opposing positions

on an outer peripheral surface of a rear end portion of said
cylindrical portion, said rotor arms extending so as to be spaced
apart from said cylindrical portion;

a bail arm for guiding fishing line onto the spool, said bail arm being mounted on tips of said pair of rotor arms so as to be pivotable between a line-winding posture and a line-releasing posture;

a mounting member that is detachably installed on one of said pair of rotor arms; and

a bail tripping device that is arranged on said mounting member, said bail tripping device returning said bail arm to the line-winding posture from the line-releasing posture in response to rotation of said rotor unit in a line-winding direction.

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2. The rotor for a spinning reel as set forth in claim 1, wherein said mounting member is arranged on an outer peripheral side of said one of said pair of rotor arms.

25 3. The rotor for a spinning reel as set forth in claim 1, wherein said cylindrical portion has a large diameter portion and a tubular portion that is detachably arranged on a front end portion of said large diameter portion.

30 4. The rotor for a spinning reel as set forth in claim 1, wherein said bail tripping device includes:

a moving member having a tip portion that is detachably engaged with said one of said pair of bail arms, and a base portion that is detachably engaged with said mounting member such that, in

5 response to pivoting of the bail arm, said base portion of said moving member is movable at least forward and backward between a first position which corresponds to the line-winding posture and a second position which corresponds to the line-releasing posture and is closer to the reel unit than said first position;

10 a toggle spring mechanism having a tip portion that is rotatively engaged with one of said pair of bail arms at a position that is different from a position at which said moving member is engaged with said bail arm, such that said toggle spring mechanism toggles and biases said bail arm into one of said line-winding posture and the line-releasing posture, depending on in which direction said bail arm is pivoted; and

15 a switching portion arranged on a front portion of said reel unit, such that when said rotor arm rotates in the line-winding direction, said switching portion comes into contact with said base portion of said moving member that is in the second position to move said moving member toward the first position.

20 5. The rotor for a spinning reel as set forth in claim 1, wherein one of said pair of rotor arms has a concave portion formed thereon, and an outer periphery of said mounting member is shaped to match a contour of said concave portion, such that said mounting member is detachably installed on said concave portion.

25 6. The rotor for a spinning reel as set forth in claim 1, wherein said mounting member has a plate shaped member and a case member, said case member is formed to cover an outer rear end portion of said plate shaped member; and

30 said bail tripping mechanism is mounted within said case member.

7. The rotor for a spinning reel as set forth in claim 5, wherein said mounting member has a plate shaped member and a case member,

said plate shaped member is formed to match a contour of said concave portion; and

said bail tripping mechanism is mounted within said case member.

5 8. The rotor for a spinning reel as set forth in claim 4, wherein
said rotor arm has a through hole formed thereon, and
said base portion of said moving member is inserted through said through hole.

10 9. The rotor for a spinning reel as set forth in claim 4, wherein
said mounting member has a through hole formed thereon, and
said base portion of said moving member is inserted through said through hole.

15 10. The rotor for a spinning reel as set forth in claim 5, wherein
said mounting member has a projecting portion,
said concave portion has a groove portion, such that said projecting portion is
engaged with said groove portion when said mounting member is mounted in said
concave portion.

20 11. A spinning reel comprising:
a handle;
a reel unit rotatably supporting said handle;
a spool,
a rotor being rotatively mounted between said reel unit and said spool for
guiding and winding fishing line around said spool, said rotor including:
25 a rotor unit having
 a cylindrical portion that is rotatively mounted to the reel
 unit, and
 a pair of rotor arms that each extend forward from opposing
 positions on an outer peripheral surface of a rear end
30 portion of said cylindrical portion, said rotor arms
 extending so as to be spaced apart from said
 cylindrical portion;

a bail arm for guiding fishing line onto said spool, said bail arm being mounted on tips of said pair of rotor arms so as to be pivotable between a line-winding posture and a line-releasing posture; a mounting member that is detachably installed on one of said pair of rotor arms; and a bail tripping device that is arranged on said mounting member, said bail tripping device returning said bail arm to the line-winding posture from the line-releasing posture in response to rotation of said rotor unit in a line-winding direction.

12. The spinning reel as set forth in claim 11, wherein said mounting member is arranged on an outer peripheral side of said one of said pair of rotor arms.

13. The spinning reel as set forth in claim 11, wherein said cylindrical portion has a large diameter portion and a tubular portion that is detachably arranged on a front end portion of said large diameter portion.

14. The spinning reel as set forth in claim 11, wherein said bail tripping device includes:
a moving member having a tip portion that is detachably engaged with said one of said pair of bail arms, and a base portion that is detachably engaged with said mounting member such that, in response to pivoting of the bail arm, said base portion of said moving member is movable at least forward and backward between a first position that corresponds to the line-winding posture and a second position that corresponds to the line-releasing posture and is closer to said reel unit than said first position;
a toggle spring mechanism having a tip portion that is rotatively engaged with one of said pair of bail arms at a position that is different from a position at which said moving member is engaged with said bail arm, such that said toggle spring

mechanism toggles and biases said bail arm into one of the
line-winding posture and the line-releasing posture, depending
on in which direction said bail arm is pivoted; and
a switching portion arranged on a front portion of said reel unit, such
5 that when said rotor arm rotates in the line-winding direction,
said switching portion comes into contact with said base
portion of said moving member that is in the second position to
move said moving member toward the first position.

10 15. The spinning reel as set forth in claim 11, wherein
one of said pair of rotor arms has a concave portion formed thereon, and
an outer periphery of said mounting member is shaped to match a contour of
said concave portion, such that said mounting member is detachably installed on said
concave portion.

15 16. The spinning reel as set forth in claim 11, wherein
said mounting member has a plate shaped member and a case member,
said case member is formed to cover an outer rear end portion of said plate
shaped member; and
20 said bail tripping mechanism is mounted within said case member.

17. The spinning reel as set forth in claim 15, wherein
said mounting member has a plate shaped member and a case member,
said plate shaped member is formed to match a contour of said concave
25 portion; and
said bail tripping mechanism is mounted within said case member.

18. The spinning reel as set forth in claim 14, wherein
said rotor arm has a through hole formed thereon, and
30 said base portion of said moving member is inserted through said through hole.

19. The spinning reel as set forth in claim 14, wherein
said mounting member has a through hole formed thereon, and

said base portion of said moving member is inserted through said through hole.

20. The spinning reel as set forth in claim 15, wherein

said mounting member has a projecting portion,

5 said concave portion has a groove portion, such that said projecting portion is engaged with said groove portion when said mounting member is mounted in said concave portion.